

知 ONEStor E3332和E3338使用ONEStorToolkit工具提示Incompatible ssh peer

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组网及说明

ONEStor E3332和E3338版本存在此问题，

## 问题描述

ONESstorE3332和E3338巡检时会产生如下报错

```
please input your choice: 1
please input user name: SDS_Admin
please input password:
please input admin's handy password:
will you collect the complete infomations?(1:Yes, 0:No)1

ONESstor Routine checking...
begin alarm item check...
[
] 0%ERROR:paramiko.transport:Exception: Incompatible ssh peer (no ac
ceptable kex algorithm)
ERROR:paramiko.transport:Traceback (most recent call last):
ERROR:paramiko.transport:  File "/opt/h3c/lib/python2.7/site-packages/paramiko/transport.py", line 1585, in run
ERROR:paramiko.transport:      self_handler_table[ptype](self, m)
ERROR:paramiko.transport:  File "/opt/h3c/lib/python2.7/site-packages/paramiko/transport.py", line 1664, in _negotiate_keys
ERROR:paramiko.transport:      self.parse_kex_init(m)
ERROR:paramiko.transport:  File "/opt/h3c/lib/python2.7/site-packages/paramiko/transport.py", line 1779, in _parse_kex_init
ERROR:paramiko.transport:      raise SSHException('Incompatible ssh peer (no acceptable kex algorithm)')
ERROR:paramiko.transport:SSHException: Incompatible ssh peer (no acceptable kex algorithm)
ERROR:paramiko.transport:
```

## 过程分析

E3332和E3338版本升级了openssh组件，但是paramiko组件未进行升级，会导致巡检工具报错

## 解决方法

1、sudo vim /etc/ssh/sshd\_config

```
# override default of no subsystems
Subsystem sftp /usr/libexec/openssh/sftp-server

# Example of overriding settings on a per-user basis
#Match User anoncvs
#
#   X11Forwarding no
#   AllowTcpForwarding no
#   PermitTTY no
#   ForceCommand cvs server
KexAlgorithms curve25519-sha256@libssh.org,ecdh-sha2-nistp256,ecdh-sha2-nistp384,ecdh-sha2-nistp521,diffie-hellman-group14-sha1
"/etc/ssh/sshd_config" 146L, 3996C
```

2、删除划线部分，并增加如下内容（txt格式已上传至附件，请注意格式）

KexAlgorithms diffie-hellman-group1-sha1,diffie-hellman-group14-sha1,diffie-hellman-group-exchang  
e-sha1,diffie-hellman-group-exchange-sha256,ecdh-sha2-nistp256,ecdh-sha2-nistp384,ecdh-sha2-ni  
stp521,diffie-hellman-group1-sha1,curve25519-sha256@libssh.org

HostKeyAlgorithms +ssh-rsa

PubkeyAcceptedAlgorithms +ssh-rsa

修改后结果如下：

```
# Example of overriding settings on a per-user basis
#Match User anoncvs
#
#   X11Forwarding no
#   AllowTcpForwarding no
#   PermitTTY no
#   ForceCommand cvs server
KexAlgorithms diffie-hellman-group1-sha1,diffie-hellman-group14-sha1,diffie-hellman-group-exchange-sha1,diffie-hellman-group-exchange-sha256,ecdh-sha2-nistp256,ecdh-sha2-nistp384,ecdh-sha2-nistp521,diffie-hellman-group1-sha1,curve25519-sha256@libssh.org
HostKeyAlgorithms +ssh-rsa
PubkeyAcceptedAlgorithms +ssh-rsa
"/etc/ssh/sshd_config" 143L, 4184C 146, 1 Bot
```

3、sudo service sshd restart 重启sshd

```
[SDS_Admin@node25 storage]$ sudo service sshd restart
Restarting sshd (via systemctl): [ OK ]
[SDS_Admin@node25 storage]$
```

4、集群内所有节点依次执行步骤1~步骤3

5、再次执行巡检工具，工具可正常运行

```
=====
Welcome to use ONEStorToolkit V3.1(2022-12-31)
=====
1. ONEStor Routine Inspection
2. ONEStor Pre-deployment Inspection
0. Exit

=====
please input your choice: 1
please input user name: SDS_Admin
please input password:
please input admin's handy password:
will you collect the complete infomations?(1:Yes, 0:No)1

ONEStor Routine checking...

begin alarm item check...
[#####] 100%
begin collect cluster info...
[#####] 100%
generated zip path: /var/ONEStorToolkit/checkinfo/iService/ONEStor_20220928142033.zip

ONEStor Routine check successfully!
=====
[SDS_Admin@node24 ONEStorToolkit-V3.1]$
```

